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Impact of nuclear effects on the determination of the nucleon axial mass

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In this talk I analize the influence of nuclear effects on the determination of the nucleon axial mass from nuclear cross sections computed in the impulse approximation regime. We show that correlation effects, not taken into account by the relativistic Fermi gas model, sizably affect the Q2-dependence of the cross section but do not explain the large values of the axial mass recently reported by the K2K and MiniBooNE collaborations.

Author: Dr MELONI, Davide (Universita' di Roma 3)

Presenter: Dr MELONI, Davide (Universita' di Roma 3)

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